Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

SBRno 112/13-4

No ..... 2nd & final. Date: 31/7/2013

Division: BBMP / YNK Sub-Division: Yelahanka Sub – Division.

Bill Received No. YNK/DBR No. 194 Dated 31.7.13

Divisional Cash Book Voucher No..... Dated.....

Sub Divisinnal **Work Code: 002-12-000039**

Schedule Docket No. Head of Account: Est.Cost: 15.00 Lakhs B.R.No.:

Name of Work : Maintenance of water supply to Existing Borewells in village area ward No-02 of Yelahanka Sub Division.

Name of Contractor and Full Address: **Sri. N Thirunagendra, No 184, Desthara bheedhi, yelahanka Bangalore- 64**

Reference to Agreement No. **EE/YNK /T/Tend - 03/ W.O/65 /2012-13.** Date: 28-6-2012

Certified that the measurements were taken by me on 31/7/13 and recorded of Pages..... to.....of measurement Book No. 4461 and that the work is satisfactorily executed.

Contractor 2865

Officer-in-charge of work

Certified that the measurement were taken by me on 31/7/13 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer
Sub-Division Officer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	1,03,732
2)	Deduct amount to be held in reserve being .....percent Rs.....	5,19,732
3)	Balance	4,83,910
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount	3,80,032
	adjusted towards cash advance recovery of	38,200
	b) Payments made: cost sundr or other material supplied.	7,110
	recovery of amount creditable to this/other work	38,410
	Amount paid on this bill Cheque / Cash.	7,000
5)	Balance being unpaid value of work done held in reserve.	5,240
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	64,912
7)	Net amount due to or from Contractor unadjustments items.	3,19,832
8)	Advance to Contractor for materials brought to site (as detailed) within.	6,78,040
9)	Value of Government materials supplied.	7,30,032
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Audited & Admitted for Rs. 7,30,032

(For use in the Office)

Stamp

By Cheque Rs. 6,78,040

By Cash Rs. 3,192

By adjustment

Executive Engineer

sl no	Description of work	Unit
1	Supply and delivery at site brand New lexmot/ innovat/ Lubi/ Sabar / Atalanta/ Calamati/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by meansn of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water /Wet type squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return value etc. complete. The pump and motor shall form an integral unit with all the required fittings 12.50 HP 20 stage. SE RDED Approved Rate 12.5 HP 20 stage	No
2	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1988 with latest amendments, pipes threades at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. 50 mm dia including Collar Heavy Class	Rmt
4	Lifting of Submersible Pump set with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
5	Transportation of pumping machineneswith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
6	A) Repairs to Motor:Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6months, with all leads cost of labour complete as per specifications as per direction of Engineering incharge	
	a) -Do - above 3HP upto 5HP	No
	b) -Do - above 5HP upto 10HP	No
	B) Replacement of Motor Parts:	
7	Above 4HP Stator (with one year Gurantee) with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
8	Above 4HP Rotor (with one year Gurantee) with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
9	Upper Flange with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
10	Lower Housing with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
11	Lower Flange with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
12	a) Carbon Housing with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
13	b) Thrust bearing block assembly complete with Segment bearing pad with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
14	c) Tip Carbon /Ferrodo pading with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
15	Bearing (Gun metal)Centrifugal cast Aluminium Bronze, bearing bush with all leads cost of labour complete as per specifications. with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
16	Motor Base with pin with all leacs cost of labour complete as per specifications as per direction of Engineering incharge	No
17	Re-erection charges of pumping machineries including overhauling and painting with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
18	Labour Charge (overhauling Motor only) with all leacs cost of labour complete as per specifications as per direction of Engineering incharge	No
19	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
20	Intermediate piece (I.P) with IP leaded bronze bush with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
21	Oil seal with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
1	46400	1	46400.00	46400.00	2.00	92800.00	
100	40000	380	400.00	152000.00	480.00	192000.00	
4	3200	4	800.00	3200.00	8.00	6400.00	
4	3440	4	860.00	3440.00	8.00	6880.00	
	0			0.00	0.00	0.00	
3	8100	3	2700.00	8100.00	6.00	16200.00	
1	3900	1	3900.00	3900.00	2.00	7800.00	
	0			0.00	0.00	0.00	
	4900	14	4900.00	68600.00	15.00	73500.00	
	4800	14	4800.00	67200.00	15.00	72000.00	
8	2880	8	360.00	2880.00	16.00	5760.00	
8	4800	8	600.00	4800.00	16.00	9600.00	
10	3600	10	360.00	3600.00	20.00	7200.00	
8	3840	8	480.00	3840.00	16.00	7680.00	
8	8000	8	1000.00	8000.00	16.00	16000.00	
8	640	8	80.00	640.00	16.00	1280.00	
8	3200	8	400.00	3200.00	16.00	6400.00	
25	12000	0	480.00	0.00	25.00	12000.00	
10	9000	22	900.00	19800.00	32.00	28800.00	
16	7360	16	460.00	7360.00	32.00	14720.00	
16	2400	16	150.00	2400.00	32.00	4800.00	
10	5000	22	500.00	11000.00	32.00	16000.00	
16	352	16	22.00	352.00	32.00	704.00	

sl no	Description of work	Unit
22	Oil seal steel bushwith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
23	Guide vanewith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
24	Impeller (Shell moulded with aluminium and Bonze) with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
25	a) Discharge outlet (D.O) Bearing D.O Steel Bushwith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
26	b)D.O Bearing with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
27	Steel bush (D.O) steel bush with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
28	Allen Screwwith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
29	Pump shaft made out of stainless steel Centreless ground with key way (upto 6 stages with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
30	Pump key (Stainless steel with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
31	Pump coupling (stainless steel with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
32	Non - Return valve (NRV) assembly complete with rubber 'O' Ringwith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
33	Cable guard with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
34	Strainer with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
35	Providing and fixing 50 mm dia heavy duty coller SE RDED Approved rate with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
36	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts with all leads cost of labour complete as per specifications as per direction of Engineering incharge	Mtr
37	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
38	Supplying of LT UG cable having aluminium conductor PVC insulated sheathed, galvanised steel, wiraf steel tap armoured cable with PVC outer sheathing 1.1KV class with all leads cost of labour complete as per specifications, with all leads cost of labour complete as per specifications as per direction of Engineering incharge	Mtr
39	Labour charges for laying of 1.1KV class UG cable (PWD Electrical SR-1999-2000 with all leads cost of labour complete as per specifications as per direction of Engineering incharge	Mtr
40	Digging or trenching of 0.8mx 0.5 m wide refilling the trench to the required ground level and consolidating etc. complete as per Civil SR KSRB I-2 P-7 with all leads cost of labour complete as per specifications.	Mtr
41	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25 mm on pole/wall/grain crossing with necessary clamping arrengements for UG cable of 1.1KV class with all leads cost of labour complete as per specifications	Mtr
42	Supplying and fixing L.T cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bitumen/ insulating compound complete with terminals clamps, bolts, nuts, and washers etc. P No.69/I No.16-b with all leads cost of labour complete as per specifications as per direction of Engineering incharge	No

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
	1280	16	80.00	1280.00	32.00	2560.00	
	4500	175	180.00	31500.00	200.00	36000.00	
	5625	175	225.00	39375.00	200.00	45000.00	
	7200	16	450.00	7200.00	32.00	14400.00	
	4160	16	260.00	4160.00	32.00	8320.00	
	2480	16	155.00	2480.00	32.00	4960.00	
	416	16	26.00	416.00	32.00	832.00	
	16000	16	1000.00	16000.00	32.00	32000.00	
	2080	16	130.00	2080.00	32.00	4160.00	
	5200	20	260.00	5200.00	40.00	10400.00	
	28000	20	1400.00	28000.00	40.00	56000.00	
	3200	20	160.00	3200.00	40.00	6400.00	
	1600	20	80.00	1600.00	40.00	3200.00	
	2400	20	120.00	2400.00	40.00	4800.00	
100.00	11000	900	110.00	99000.00	1000.00	110000.00	
25.00	7000	0	280.00	0.00	25.00	7000.00	
200.00	32000	0	160.00	0.00	200.00	32000.00	
200.00	1000	0	5.00	0.00	200.00	1000.00	
150.00	9000	0	60.00	0.00	150.00	9000.00	
40.00	9000	0	225.00	0.00	40.00	9000.00	
25.00	6250	0	250.00	0.00	25.00	6250.00	

sl no	Description of work	Unit
43	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting fully weather proof with provision for better heat dissipation provided with hinged front cover equipped with tamper proof locking arrangments with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats lo red oxide primer paint and finally finished with approved colour enamelled metal paint etc complete box of 21600 sqcm @ Rs.0.3with all leads cost of labour complete as per specifications as per direction of Engineering incharge	Sqcm
44	Supply and delivery at site brand new star / Essen/ Lotus/sun shine/ Adrash/ GK controls best indigenous make combined energy meter cum control panel board unit of size 600x450x200mm minimum mechanically strong vermin and water proof. The unit shall heve two detachable doors suitable for operation on 3 Ph, 50 Jz 380/440 volts, A.C supply with spring loaded latch, locking deveice with a key nbs should be provided inside the door canopy apron and louvers ventilators shall be provided, the combined energy meter cum control panel board unit suitable for operation The panel board shall be fabricated on single unit in the above components for suitabl pump sowith all leads cost of labour complete as per specifications as per direction of Engineering incharge	No
45	KSRB 13.6.3-5 Providing and fixing in position brass gate valve with C.I wheel of approvec quality (screwed end) 50mm nominal bore including cost of al materials labour and HOM of equipments with all leads complete as pe specifications. Specification with all leads cost of labour complete es per specifications as per direction of Engineering incharge	Each
46	Earth work excavation for pipe line trenches including depositing on bank upto a lead of 50 meters including shoring and stutting danger lighting and using sight rails and boning rods at every 100 mtrs wherever necessary as directed in the following strata manual means in hard soil PRED	cum
47	Providing and installation at site of works P.V.C pipes including cost of pipes and specials and including lowring into trenches laying true to line level nad perfect linking at joints leak proof alround to a depth Not less than 15cm with grave or selected earth available form the excavation etwith all leads cost of labour complete as per specifications as per direction of Engineering inchargo	
	75mm dia 6 KBC	Rmtr
	63mm dia 6 KBC	Rmtr
48	KSRB 2-4 Refilling avelable earth around pipe lines cables inlayers not exceeding 20cms in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification allow 60% of rate considered with all leads cost of labour complete as per specifications as per direction of Engineering incharge	Cum
		TOTAL

Certificates:

1. The above work is done satisfactorily and complete in all respect.
2. There is no department Material issue for the above work.
3. This works comes under BBMP Limit.

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
147900.00	56202	0	0.38	0.00	147900.00	56202.00	
3.00	22200	0	7400.00	0.00	3.00	22200.00	
36.00	62640	0	1740.00	0.00	36.00	62640.00	
891.00	160380	0	180.00	0.00	891.00	160380.00	
	0	0		0.00	0.00	0.00	
490.00	58800	210	120.00	25200.00	700.00	84000.00	
29.00	1716	1480	85.80	126984.00	1500.00	128700.00	
891.00	53460	0	60.00	0.00	891.00	53460.00	
	752601.0			816747.00		1569348.00	

Ramarajeevitha